

Public Products

While the primary duty of the National Weather Service is watch and warning responsibility, the majority of time is spent providing routine weather service to the public, including daily forecasts and climate services. This section gives a brief description of each of the routine products for general public use that are issued by the weather offices in the state.

Routine Public Forecast Products

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FXUS66 KPQR 302102
AFDPQR

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE PORTLAND OR
900 PM PDT MON MAY 30 2005

.SYNOPSIS...A WEAK UPPER LEVEL DISTURBANCE IS FORECAST TO MOVE INLAND
MAINLY NORTH OF THE AREA LATER TONIGHT AND TUE AS LOW LEVEL FLOW
REMAINS ONSHORE. HIGHER PRESSURE WILL REBUILD WED THROUGH FRI FOR MORE
SUNSHINE AND WARMER TEMPERATURES. THE NEXT FRONTAL SYSTEM IS EXPECTED
TO MOVE INTO THE AREA NEXT WEEKEND.
&&

.DISCUSSION
.SHORT TERM...WITH A RIDGE OF HIGH PRESSURE OFFSHORE LOW LEVEL
REMAINS ONSHORE THIS EVENING. SATELLITE INDICATES A WEAK SHORT WAVE
MOVING E ACROSS CENTRAL OREGON...WITH LOW LEVEL CLOUDS BEING LEFT
BEHIND MAINLY E OF THE COAST RANGE. WITH THE CONTINUED ONSHORE
FLOW...EXPECT SOME OF THE RESIDUAL LOW LEVEL MOISTURE KEEP SOME CLOUDS
OVER AREA TONIGHT AND TOMORROW AS INDICATED BY MESOETA. MOST OF THE
SHORTWAVE ENERGY TUE LOOKS TO BE WELL N OF AREA...SO WILL KEEP
POPS LIMITED TO SLIGHT CHANCES ALONG THE N COAST AND IN THE S WA
CASCADES. THROUGH REMAINDER OF SHORT TERM UPPER LEVEL HEIGHTS REMAIN
RELATIVELY HIGH IN A LIGHT WESTERLY FLOW...ALTHOUGH MODELS INDICATE A
FEW WEAK DISTURBANCES MOVING THROUGH WHICH WILL NEED TO BE WATCHED.

.LONG TERM...MEDIUM RANGE MODELS CONTINUE THE RECENT TREND OF HOLDING
OFF THE NEXT SYSTEM UNTIL SAT...WITH THE WEEKEND INTO EARLY NEXT WEEK
LOOKING SHOWERY AS THE SYSTEM MOVES THROUGH.
&&

.AVIATION...MVFR CEILINGS WILL CONTINUE THROUGH THE NIGHT ALONG THE
COAST. ELSEWHERE...VFR CONDITIONS WILL PREVAIL ACROSS THE AREA
TONIGHT.
&&

.PRELIMINARY POINT POPS
AST 122000 PDX 011000 SLE 011000 EUG 011000
&&

.PQR WATCHES/WARNINGS/ADVISORIES...
.OR/WA...SMALL CRAFT ADVISORY FOR ROUGH COLUMBIA RIVER BAR.
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Area Forecast Discussion (AFD, FXUS66):

The Area Forecast Discussion is issued four times daily around 3 am/pm PST/PDT and 9 am/pm PST/PDT. It provides a discussion of current and expected weather for the next seven days, as well as the forecaster's basis and logic used in construction of the forecasts.

The numbers at the bottom are the probability of precipitation (POP) for each forecast period. The format is similar to the coded cities forecast (see next product). Also at the bottom is an abbreviated summary of warnings and/or watches issued for the forecast area.

<http://www.weather.gov/portland>

Routine Public Forecast Products

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FFUS46 KPQR 092112
CCFPQR
AST BB 055/070 055/073 056 370-0
  EBBEE 069/056 069/055 069/055 065/055 067 0000000--
11
PDX UU 062/090 061/092 062 37000
  UUBUB 093/059 085/058 084/058 080/058 082
00000000011
SLE UU 058/090 056/092 057 37000
  UUUUU 093/056 087/055 085/055 080/055 082
00000000011
EUG UU 055/089 052/092 054 37000
  UUUUB 093/052 087/051 086/051 081/051 083
0000000000-
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Coded City Forecast (CCF, FPUS46):

The Coded City Forecast is an abbreviated forecast that is transmitted twice a day around 2 am/pm PST (3 am/pm PDT). It provides input to the Coded Cities Travelers Forecast used by several media outlets. The forecast takes one of two formats depending on the time of issuance.

Morning format of the CCFPDX:

LLL F1F2 max/min max/min max FFP1P2P3
 F3F4F5F6F7 min/max min/max min/max min/max P4P5P6P7P8P9P10P11P12P13

Afternoon format of the CCFPDX:

LLL F1F2 min/max min/max min FFP1P2P3
 F3F4F5F6F7 max/min max/min max/min max/min max
 P4P5P6P7P8P9P10P11P12P13P14

Key to the coded cities forecast:

LLL This is the three-letter station identifier. For example, PDX is the three-letter identifier for Portland, Oregon.

F1F2 These are one-word forecasts. F1 and F2 represent one-word forecasts for the predominate weather expected during the daylight hours. At the morning transmission, F1 is today and F2 is for tomorrow. At the afternoon transmission, F1 is for tomorrow and F2 is for the following day. The following table gives the letter code and its corresponding weather.

U - SUNNY	H - HAZE	M - SNOW FLURRIES
V - CLEAR	K - SMOKE	P - BLIZZARD
A - FAIR	D - DUST	Q - BLOWING SNOW
B - PARTLY CLOUDY	N - WINDY	W - RAIN SHOWERS
E - MOSTLY CLOUDY	L - DRIZZLE	T - THUNDERSTORMS
C - CLOUDY	R - RAIN	X - SLEET
G - VERY HOT or HUMID	O - RAIN and SNOW MIXED	Y - FREEZING RAIN
I - VERY COLD/WIND CHILL	S - SNOW	Z - FREEZING DRIZZLE
F - FOGGY	J - SNOWSHOWERS	

For example: BF...would mean that predominate weather today will be partly cloudy, and predominate weather for tomorrow will be foggy.

Routine Public Forecast Products

coded cities forecast continued...

max/min... These represent the temperatures (degree F) for the each forecast period, encoded as three digits. At the morning transmission, the sequence of max/min would be today's high, tonight's low, tomorrow's high, tomorrow night's low, etc. Examples of encoding are:

52 deg is encoded as 052

112 deg is encoded as 112

-15 deg is encoded as 915 (*all sub-zero values are preceded with a 9*)

FFP1P2P3... These represent the probability of measurable precipitation (POP) forecasts. The FF is the forecaster's identification number. P1, P2, through P4 are the probability of measurable precipitation for each of the next three forecast periods, based on transmission time. For example:

<u>2 am PST (3 am PDT)</u>	<u>2 pm PST (3 pm PDT)</u>
P1 covers Today	P1 covers Tonight
P2 covers Tonight	P2 covers Tomorrow
P3 covers Tomorrow	P3 covers Tomorrow night
P4 covers Tomorrow night	P4 covers Day 2
P5 covers Day 3	P5 covers Day 2 night
P6 covers Day 3 night	P6 covers Day 3
<i>etc...</i>	<i>etc...</i>
P13 covers Day 7	P13 covers Day 6 night
	P14 covers Day 7

Coding for probability values is as follows:

<u>Percent</u>	<u>Code</u>
near zero	0
5	-
10	1
20	2
<i>etc...</i>	<i>etc...</i>
90	9
100	+
missing	/

If the probability forecast is 50 percent or greater, the corresponding forecast (F1...F7) will normally be for the precipitation event. However, if there is a high POP that applies very early in the day, then a non-precipitation event would likely be forecast.

Routine Public Forecast Products

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CDUS46 KPQR 291149
CLIPDX

CLIMATE REPORT
NATIONAL WEATHER SERVICE PORTLAND OREGON
446 AM PDT WED JUL 29 2005

.....
...THE PORTLAND CLIMATE SUMMARY FOR JULY 28 2003...

CLIMATE NORMAL PERIOD 1971 TO 2000
CLIMATE RECORD PERIOD 1941 TO 2003

WEATHER ITEM      OBSERVED TIME  RECORD YEAR  NORMAL  DEPARTURE  LAST
                   VALUE      (LST)  VALUE      VALUE    FROM      YEAR
                                   NORMAL

.....
TEMPERATURE (F)
YESTERDAY
MAXIMUM      100R  425 PM  99   1990  81    19    83
MINIMUM      62    458 AM  50   1956  58    4     59
AVERAGE     81

PRECIPITATION (IN)
YESTERDAY    0.00      0.17 2001  0.02 -0.02  0.00
MONTH TO DATE T          0.68 -0.68  0.19
SINCE OCT 1  32.45      34.45 -2.00  35.78
SINCE JAN 1  21.93      20.25  1.68  19.13

SNOWFALL (IN)
YESTERDAY    0.0
MONTH TO DATE 0.0
SINCE JUN 1  0.0
SINCE JUL 1  0.0
SNOW DEPTH   0

DEGREE DAYS
HEATING
YESTERDAY    0          0      0      0
MONTH TO DATE 1          21     -20     7
SINCE JUN 1  68         117    -49     79
SINCE JUL 1  1          21     -20     7

COOLING
YESTERDAY    16          5      11      6
MONTH TO DATE 189        123     66     163
SINCE JUN 1  297        166     131    232
SINCE JAN 1  313        181     132    233

.....
WIND (MPH)
HIGHEST WIND SPEED  16  HIGHEST WIND DIRECTION  N (340)
HIGHEST GUST SPEED  17  HIGHEST GUST DIRECTION  N (340)
AVERAGE WIND SPEED  5.2

SKY COVER
POSSIBLE SUNSHINE MM
AVERAGE SKY COVER 0.0

WEATHER CONDITIONS
THE FOLLOWING WEATHER WAS RECORDED YESTERDAY.
HAZE

RELATIVE HUMIDITY (PERCENT)
HIGHEST  84      500 AM
LOWEST   17      200 PM
AVERAGE  51

.....
THE PORTLAND CLIMATE NORMALS FOR TODAY
                NORMAL  RECORD  YEAR
MAXIMUM TEMPERATURE (F)  81    107    1965
MINIMUM TEMPERATURE (F)  58     47    1945

SUNRISE AND SUNSET
JULY 30 2003.....SUNRISE  551 AM PDT  SUNSET  841 PM PDT
JULY 31 2003.....SUNRISE  553 AM PDT  SUNSET  840 PM PDT

- INDICATES NEGATIVE NUMBERS.
R INDICATES RECORD WAS SET OR TIED.
MM INDICATES DATA IS MISSING.
T INDICATES TRACE AMOUNT.

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Daily Climatological Report (CLI, CDUS46):

Issued at 4:45 am, 4:50 pm, and 7:20 pm, the daily climatological report provides a summary of the previous day's weather.

The daily climatological report contains:

1. Previous day's maximum and minimum temperatures, including departures from normal.
2. Heating and cooling degree days.
3. Precipitation data
4. Peak and average wind data
5. Sunrise/sunset data

This product is available for the following cities:

- Astoria
- Eugene
- Portland
- Salem
- Hillsboro
- McMinnville
- Troutdale
- Vancouver
- Scappoose
- Aurora

Climate data for these sites are archived on our web site for 60 days.

<http://www.weather.gov/portland>

Routine Public Forecast Products

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CXUS56 KPQR 011349
CLMPDX

NOVEMBER CLIMATOLOGICAL REPORT FOR PORTLAND OREGON
NATIONAL WEATHER SERVICE PORTLAND OREGON
550 AM PST THU DEC 01 2005

      TEMPERATURE DATA...
              (DEGREES F)
AVERAGE MONTHLY TEMPERATURE... 44.0 OR 1.8 DEGREES BELOW NORMAL
AVERAGE MAXIMUM TEMPERATURE... 51.0
AVERAGE MINIMUM TEMPERATURE... 37.1
HIGHEST TEMPERATURE WAS 60 ON DAY 13
LOWEST TEMPERATURE WAS 28 ON DAY 28

HEATING DEGREE DAYS      (BASE 65)      COOLING DEGREE DAYS
MONTHLY TOTAL ..... 620      MONTHLY TOTAL..... 0
DEPARTURE FROM NORMAL... 60      DEPARTURE FROM NORMAL... 0
SEASONAL TOTAL (JUL-JUN). 983      SEASONAL TOTAL (JAN-DEC). 439
DEPARTURE FROM NORMAL... -16      DEPARTURE FROM NORMAL... 49

PRECIPITATION DATA...
              ...RAIN...
TOTAL FOR THE MONTH..... 4.98 OR 0.63 INCHES BELOW NORMAL
TOTAL SINCE JANUARY 1..... 28.60 OR 2.76 INCHES BELOW NORMAL
GREATEST 24 HOUR RAINFALL... 1.35 ON DAY 31-01

              ...SNOW...
TOTAL FOR THE MONTH..... 0
TOTAL FOR THE SEASON..... 0
GREATEST 24 HOUR SNOWFALL.. 0

              ...NUMBER OF DAYS...
WITH .01 INCHES OR MORE 17      HIGHS 32 DEGREES OR COLDER 0
WITH .10 INCHES OR MORE 10      HIGHS 90 DEGREES OR WARMER 0
WITH .50 INCHES OR MORE 4      LOWS 32 DEGREES OR COLDER 8
WITH 1.00 INCHES OR MORE 1      LOWS 0 DEGREES OR COLDER 0

SKY CONDITIONS.....          SEA LEVEL PRESSURE.....
NUMBER OF DAYS CLEAR... 6      HIGHEST 30.63 INCHES ON DAY 15
NUMBER OF DAYS PTCLDY... 11     LOWEST 29.44 INCHES ON DAY 5
NUMBER OF DAYS CLOUDY... 13

WIND DATA.....
THE AVERAGE MONTHLY WIND SPEED WAS.. 7.0 MPH
THE FASTEST TWO-MINUTE WIND WAS..... 33 MPH FROM 100 DEGREES
THE HIGHEST PEAK WIND GUST WAS..... 39 MPH FROM 100 DEGREES

REMARKS...
NONE
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Monthly Climatological Report (CLM, CXUS56):

The Monthly Climatological Report is similar to the Daily Climatological Report, but is issued at the beginning of each month. The product provides a summary of the weather for the previous month.

The Monthly Climatological Report will often include records set during the previous month.

Climate data for these sites are archived on our web site for one year.

- Astoria
- Eugene
- Portland
- Salem
- Hillsboro
- McMinnville
- Troutdale
- Vancouver
- Scappoose
- Aurora

<http://www.weather.gov/portland>

Routine Public Forecast Products

FLUS46 KPQR 171230
HWOPQR

HAZARDOUS WEATHER OUTLOOK
NATIONAL WEATHER SERVICE PORTLAND OREGON
530 AM PDT TUE AUG 17 2005

ORZ0010>013-WAZ019-040-181230-
SOUTH WASHINGTON CASCADES-SOUTH WASHINGTON CASCADE FOOTHILLS-
NORTHERN OREGON CASCADES-COAST-NORTHERN OREGON CASCADE FOOTHILLS
CASCADES IN LANE COUNTY-CASCADE FOOTHILLS IN LANE COUNTY-
530 AM PDT TUE AUG 17 2005

THIS HAZARDOUS WEATHER OUTLOOK IS FOR THE CASCADES OF NORTHWEST
OREGON AND SOUTHWEST WASHINGTON.

..DAY ONE...

OFFSHORE FLOW WILL DEVELOP TODAY AS A THERMAL TROUGH OF LOW PRESSURE
MOVES NORTHWARD ALONG THE COAST. THE STRONG EAST WINDS AND LOW
RELATIVE HUMIDITY PROMPTED THE ISSUANCE OF A FIRE WEATHER WATCH FOR
THE NORTH AND CENTRAL OREGON CASCADES AND SOUTHERN WASHINGTON
CASCADES. THIS WATCH MAY BE UPGRADED TO A RED FLAG WARNING LATER
TODAY. PLEASE REFER TO THE LATEST FIRE WEATHER WATCH (RFWPQR) FOR
FURTHER DETAILS.

..DAYS TWO THROUGH SEVEN...

A LOW PRESSURE SYSTEM OVER THE GREAT BASIN WILL MOVE NORTHWARD LATER
THIS WEEK FOR AN INCREASING THREAT OF THUNDERSTORM ACTIVITY ON FRIDAY
AND SATURDAY.

..SPOTTER INFORMATION STATEMENT...
SPOTTER REPORTS ARE NOT NEEDED TODAY.

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ORZ001>009-WAZ020>023-039-181230-
CENTRAL COAST RANGE OF WESTERN OREGON-CENTRAL OREGON COAST-
CENTRAL WILLAMETTE VALLEY-COAST RANGE OF NORTHWEST OREGON-
GREATER PORTLAND METRO AREA-GREATER VANCOUVER AREA-LOWER COLUMBIA-
LOWER COLUMBIA AND I - 5 CORRIDOR IN COWLITZ COUNTY-
NORTH OREGON COAST-SOUTH WILLAMETTE VALLEY-SOUTH WASHINGTON COAST-
WESTERN COLUMBIA RIVER GORGE-WILLAPA HILLS-
530 AM PDT TUE AUG 17 2005

THIS HAZARDOUS WEATHER OUTLOOK IS FOR AN AREA WEST OF THE CASCADES OF
NORTHWEST OREGON AND SOUTHWEST WASHINGTON.

..DAY ONE...

OFFSHORE FLOW WILL DEVELOP TODAY AS A THERMAL TROUGH OF LOW PRESSURE
MOVES NORTHWARD ALONG THE COAST. THIS PATTERN WILL PRODUCE STRONG
EAST WINDS AND NEAR RECORD WARM TEMPERATURES.

..DAYS TWO THROUGH SEVEN...

A LOW PRESSURE SYSTEM OVER THE GREAT BASIN WILL MOVE NORTHWARD LATER
THIS WEEK FOR AN INCREASING THREAT OF THUNDERSTORM ACTIVITY ON FRIDAY
AND SATURDAY.

..SPOTTER INFORMATION STATEMENT...
SPOTTER REPORTS ARE NOT NEEDED TODAY.

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Hazardous Weather Outlook (HWO, FLUS46):

The Hazardous Weather Outlook is issued daily at 5:30 am PDT and 6:30 am PST. It is created to inform emergency managers, media, and the general public of the potential for hazardous weather events, including winter weather, fire weather, convective weather, marine weather, non-precipitation events, and flooding events.

The HWO is a seven-day outlook comprised of two main sections—"Day 1" and "Days 2 through 7." Day 1 describes the specific weather hazards of concern on day 1, while the Days 2 through 7 section briefly discusses any weather hazards expected during the remaining six days of the week.

<http://www.weather.gov/portland>

Routine Public Forecast Products

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FOUS56 KPQR 082015
PFMPQR

POINT FORECAST MATRICES
NATIONAL WEATHER SERVICE PORTLAND, OREGON
114 PM PDT SUN AUG 8 2005

ORZ006-091114-
PORTLAND-MULTNOMAH OR
45.59N 122.60W
114 PM PDT SUN AUG 8 2005

DATE                MON 08/09/04          TUE 08/10/04
WED
UTC 3HRLY          22 01 04 07 10 13 16 19 22 01 04 07 10 13 16 19 22 01
04 07 10 13
PDT 3HRLY          15 18 21 00 03 06 09 12 15 18 21 00 03 06 09 12 15 18
21 00 03 06

MIN/MAX            62          98          63          89
61
TEMP               91 92 82 72 66 62 70 82 97 98 87 75 68 63 69 77 88 89
80 71 65 61
DEWPT              50 48 58 58 58 56 59 58 59 58 65 63 61 58 60 57 57 57
61 60 58 56
RH                 25 22 44 61 75 81 68 44 29 27 48 66 78 84 73 50 35 34
52 68 78 84
WIND DIR           E  E  E  E  E  E  E  NE NE NE SW SW SW SW SW W  W  W
W  NW  NW  NW
WIND SPD           16 16 16 14 14 14 14  4  4  4  6  6  6  6  6  9  9  9
9  9  9  9
CLOUDS             CL FW FW FW
FW FW FW FW
POP 12HR           0          0          0          0
0
QPF 12HR           0          0          0          0
0
SNOW 12HR          00-00      00-00      00-00

DATE                08/11/04  THU 08/12/04  FRI 08/13/04  SAT 08/14/04
SUN 08/15/04
UTC 6HRLY          19 01 07  13 19 01 07  13 19 01 07  13 19 01 07  13
19 01
PDT 6HRLY          12 18 00  06 12 18 00  06 12 18 00  06 12 18 00  06
12 18

MAX/MIN            92          62  93          59  87          58  84          58
80
TEMP               78 92 72  62 79 93 71  59 74 87 68  58 72 84 67  58
70 80
DEWPT              54 48 59  56 55 50 55  51 52 54 56  53 55 57 55  51
52 52
PWIND DIR          NW          NW  NW          NW  NW          NW  NW          NW
NW
WIND CHAR          GN          GN  GN          GN  GN          GN  GN          GN
GN
AVG CLOUDS         FW CL CL  FW FW FW FW  FW FW FW FW  CL CL FW FW  SC
SC FW
POP 12HR           0          0  0          0  5          5  5          5
5

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Point Forecast Matrices (PFM, FOUS56):

The Point Forecast Matrices product is issued twice daily, normally around 4:00 am and 3:00 pm.

The Point Forecast Matrices product is a matrix forecast that includes several parameters. Forecasts of temperature, dew point, relative humidity, wind, cloud coverage, and several precipitation categories are included in this product. Some of these parameters are forecast to seven days while others are forecast only for 36-60 hours. The length of the forecast is tied to length of the parameter as it is forecast in the Zone Forecast Product. The PFM is issued for Astoria, Portland, Salem, and Eugene (Portland's PFM is shown in the example).

A PFM decoding guide is available on our website.

<http://www.weather.gov/portland>

Routine Public Forecast Products

ASUS46 KPDX 302010
RWROR

OREGON STATE WEATHER ROUNDUP
NATIONAL WEATHER SERVICE PORTLAND OR
100 PM PDT WED MAY 30 2005

NOTE: "FAIR" INDICATES FEW OR NO CLOUDS BELOW 12,000 FEET WITH NO SIGNIFICANT WEATHER AND/OR OBSTRUCTIONS TO VISIBILITY.

ORZ001>013-302100-
NORTHWEST OREGON

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
ASTORIA	SUNNY	69	60	73	SW10	30.02S	TC 21
NEWPORT	CLOUDY	63	59	88	N10	30.04S	TC 17
PORTLAND	SUNNY	89	58	34	NW9	29.94F	TC 32
VANCOUVER WA	SUNNY	89	57	33	W8	29.93F	TC 32
SCAPPOOSE	SUNNY	90	60	36	VRB3	29.93F	TC 32
HILLSBORO	SUNNY	91	54	28	E3	29.94F	TC 33
AURORA	SUNNY	90	54	29	VRB5	29.95F	TC 32
MCMINNVILLE	SUNNY	92	54	27	SW5	29.95F	HX 90 TC 33
SALEM	SUNNY	91	55	29	N9	29.95F	TC 33
CORVALLIS	SUNNY	93	57	29	CALM	29.95F	HX 92 TC 34
EUGENE	SUNNY	91	55	29	N9	29.96F	TC 33

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ORZ021-028-302100-
SOUTHWEST OREGON

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
NORTH BEND	SUNNY	64	57	77	N22G25	30.02F	TC 18
ROSEBURG	SUNNY	93	53	25	CALM	29.93F	HX 90 TC 34
SEXTON SUMMIT	MOSUNNY	86	50	28	VRB7	30.12F	TC 30
MEDFORD	SUNNY	95	51	22	VRB3	29.92F	HX 92 TC 35

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ORZ009-041-302100-
COLUMBIA GORGE

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
TROUTDALE	SUNNY	89	57	33	VRB7	29.93F	TC 32
THE DALLES	SUNNY	99	53	21	W15	29.84F	HX 96 TC 37

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ORZ029>031-042>050-061>064-302100-
EASTERN OREGON

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
REDMOND	SUNNY	95	46	18	VRB7	30.02F	HX 91 TC 35
KLAMATH FALLS	MOSUNNY	94	53	25	VRB3	30.10F	HX 91 TC 34
LAKEVIEW	SUNNY	93	41	16	S8	30.14F	TC 34
HEMISTON	SUNNY	97	52	21	VRB6	29.86F	HX 94 TC 36
PENDLETON	SUNNY	99	43	14	W9	29.90F	HX 95 TC 37
MEACHAM	SUNNY	91	35	13	VRB6	30.07F	TC 33
LA GRANDE	SUNNY	93	37	14	E6	29.99F	TC 34
BAKER CITY	SUNNY	96	48	19	VRB3	30.00F	HX 92 TC 36
BURNS	MOSUNNY	96	41	15	S10	30.08F	HX 92 TC 36
ROME	N/A	102	47	15	NW8	30.06F	HX 98 TC 39
ONTARIO	SUNNY	97	58	27	E7	29.95F	HX 96 TC 36

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State Weather Round-up (RWR, ASUS46):

The State Weather Roundup is produced at 10 minutes past the hour, each hour of the day. It provides weather information for selected cities around the region. The information is taken from observations made near the top of the hour.

Weather information includes, but is not limited to, sky cover, temperature, dew point, relative humidity, wind, pressure, and any other significant weather.

Cities available on the hourly round-up vary between weather service offices due to regional interests.

Routine Public Forecast Products

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FPUS66 KPQR 301150
SFTPQR
ORZ001>013-WAZ019>023-039-040-310300-

TABULAR STATE FORECAST FOR OREGON
NATIONAL WEATHER SERVICE PORTLAND OREGON
500 AM PDT WED MAY 30 2005

ROWS INCLUDE...
DAILY PREDOMINANT DAYTIME WEATHER
FORECAST TEMPERATURES...EARLY MORNING LOW/DAYTIME HIGH
- INDICATES TEMPERATURES BELOW ZERO
MM INDICATES MISSING DATA
PROBABILITY OF PRECIPITATION 6AM-6PM

FCST FCST FCST FCST FCST FCST FCST
TODAY THU FRI SAT SUN MON TUE
JUL 30 JUL 31 AUG 01 AUG 02 AUG 03 AUG 04 AUG 05

... WASHINGTON ...
KELSO-LONGVIEW
SUNNY PTCLDY PTCLDY SUNNY SUNNY SUNNY MOCLDY
/91 56/83 55/78 53/81 52/78 52/78 52/76
POP 0 POP 0 POP 0 POP 0 POP 0 POP 0 POP 20

... OREGON ...
ASTORIA
FOGGY PTCLDY PTCLDY PTCLDY PTCLDY PTCLDY MOCLDY
/70 56/68 56/66 53/67 52/65 52/65 52/62
POP 0 POP 0 POP 0 POP 0 POP 0 POP 0 POP 20

NEWPORT
FOGGY MOCLDY MOCLDY PTCLDY PTCLDY PTCLDY MOCLDY
/62 57/64 53/65 51/64 54/63 54/63 50/59
POP 0 POP 0 POP 0 POP 0 POP 0 POP 0 POP 20

PORTLAND
SUNNY SUNNY SUNNY SUNNY SUNNY SUNNY PTCLDY
/98 59/89 58/81 57/84 56/80 56/80 56/78
POP 0 POP 0 POP 0 POP 0 POP 0 POP 0 POP 20

SALEM
SUNNY SUNNY SUNNY SUNNY SUNNY SUNNY PTCLDY
/99 56/90 55/82 53/85 52/81 52/81 52/79
POP 0 POP 0 POP 0 POP 0 POP 0 POP 0 POP 20

EUGENE
SUNNY SUNNY SUNNY SUNNY SUNNY SUNNY PTCLDY
/99 52/89 52/82 52/85 51/81 51/81 51/79
POP 0 POP 0 POP 0 POP 0 POP 0 POP 0 POP 20

CASCADE LOCKS
SUNNY SUNNY SUNNY SUNNY SUNNY SUNNY MOCLDY
/99 59/90 55/84 54/86 52/82 52/82 52/80
POP 0 POP 0 POP 0 POP 0 POP 0 POP 0 POP 20

GOVERNMENT CAMP
SUNNY SUNNY SUNNY SUNNY SUNNY SUNNY MOCLDY
/89 54/83 50/75 48/76 47/73 47/73 47/71
POP 0 POP 0 POP 0 POP 0 POP 0 POP 0 POP 20

WILLAMETTE PASS
SUNNY SUNNY PTCLDY PTCLDY PTCLDY SUNNY PTCLDY
/89 52/85 48/77 44/80 43/76 43/76 43/74
POP 0 POP 10 POP 10 POP 5 POP 5 POP 0 POP 20
    
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Tabular State Forecast (SFT, FPUS66):

The Tabular State Forecast is issued twice daily, around 4:00 am and 3:00 pm local time.

The Tabular State Forecast is comprised of maximum and minimum temperatures and probability of precipitation for several locations, for the upcoming seven days.

Routine Public Forecast Products

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FOR CURRENT CONDITIONS (WITHIN 3 MINUTES), VISIT:
  http://www.odot.state.or.us/travel/reports/odotosp2.txt

FOR THIS REPORT BY TELEPHONE, DIAL 1-800-977-ODOT (6368)
FOR OUT OF STATE CALLERS 1-503-588-2941
ENTER THE ROUTE OR HIGHWAY NUMBER FOLLOWED BY THE POUND SIGN (#)
  EXAMPLE: FOR INTERSTATE 5, PRESS 5#
           FOR INTERSTATE 84, PRESS 84PDXSTOOR
TTAA00 KPDX 011515

  200401010715          January 1,2004   TIME:  7:15 AM

                OREGON DEPARTMENT OF TRANSPORTATION
                OREGON STATE POLICE
                STATE-WIDE ROAD AND WEATHER CONDITIONS
                7:15 AM January 1,2004

                CURR NEW RSDS REPT
                TEMP SNO SNOW TIME   CURRENT ROAD CONDITIONS

HWY173 TIMBERLINE LODGE      20   4 140 06:27 SNOW FLURRIES/PACKED SNOW
CLOSED TO ALL OVERSIZED MOVEMENT DUE TO ROAD CONDITIONS
CHAINS REQ/TT < 10000 GVV
HWY372 MT BACHELOR         18   2  92 03:47 SNOW FLURRIES/PACKED SNOW
CARRY CHAINS / TT
I-405 FREMONT BRIDGE       32   TR  TR 07:10 SNOW FLURRIES/SPOTS OF ICE

I-5 PORTLAND               35   TR  TR 07:10 SNOW FLURRIES/SPOTS OF ICE
I-5 SALEM                  28   0  3 07:03 SNOW FLURRIES/SPOTS OF ICE
I-5 EUGENE                 33   0  2 07:03 SNOWING HARD/PACKED SNOW
I-5 CANYON CREEK PASS      33   0  0 00:01 RAIN/BARE PAVEMENT
CARRY CHAINS / TT
I-5 SEXTON MT PASS        32   0  1 06:37 RAIN
SLUSH OR PACK THAT IS BREAKING UP
CARRY CHAINS / TT
I-5 SISKIYOU SUMMIT SB     30   TR 18 03:19 SNOWING HARD/COND CLOSURE
CHAINS REQUIRED ON ALL VEHICLES, 4X4'S TOWING.
I-5 SISKIYOU SUMMIT NB     30   TR 18 03:19 SNOWING HARD/COND CLOSURE
CHAINS REQUIRED ON ALL TRUCKS 4X4'S TOWING.
I-84 EAST PORTLAND        28   0  0 04:56 PT CLOUDY/BLACK ICE
I-84 THE DALLES           26   1  1 06:18 SNOW FLURRIES/PACKED SNOW
I-84 ARLINGTON            25   0  0 06:18 SNOW FLURRIES/SPOTS OF ICE
I-84 MEACHAM-CABBAGE WB   26   0 18 06:32 SNOW FLURRIES/PACKED SNOW
CLOSED TO ALL OVERSIZED MOVEMENT DUE TO ROAD CONDITIONS
CARRY CHAINS / TT
I-84 MEACHAM-CABBAGE EB   26   0 18 06:33 SNOW FLURRIES/PACKED SNOW
CLOSED TO ALL OVERSIZED MOVEMENT DUE TO ROAD CONDITIONS
CARRY CHAINS / TT
I-84 MEACHAM-CABBAGE EB   26   0 18 06:33 SNOW FLURRIES/PACKED SNOW
CLOSED TO ALL OVERSIZED MOVEMENT DUE TO ROAD CONDITIONS
CARRY CHAINS / TT
I-84 LADD CANYON WB       21   TR 25 05:35 OVERCAST/PACKED SNOW
CHAINS REQ > 10000 GVV
I-84 LADD CANYON EB       12   0 25 05:14 OVERCAST/BARE PAVEMENT
CHAINS REQ > 10000 GVV
I-84 ONTARIO              32   TR  9 01:48 SNOWING HARD/PACKED SNOW
CHAINS REQ > 10000 GVV
ORE138 TOKETEE           32   1  4 07:01 OVERCAST/PACKED SNOW
CARRY CHAINS / TT
ORE138 E DIAMOND LAKE SMT 26   6  90 07:01 SNOW FLURRIES/PACKED SNOW
CHAINS REQ > 10000 GVV
CHAINS REQUIRED MP 83 TO 93.
ORE140 LK OF THE WOODS    30  12 42 06:55 SNOWING HARD/PACKED SNOW
CLOSED TO OVERSIZED MOBILE HOMES DUE TO ROAD CONDITIONS
CHAINS REQ > 10000 GVV
HIGH WINDS WITH POOR VISIBILITY. CHAINS REQUIRED ON ALL OF
HIGHWAY 140.
ORE140 DOAK MT SUMMIT     30  12 42 06:54 SNOWING HARD/PACKED SNOW
CLOSED TO OVERSIZED MOBILE HOMES DUE TO ROAD
CONDITIONS

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State Road Reports (STO, SXUS46):

The State Road Report is compiled by the Oregon Department of Transportation and sent to the National Weather Service's main computer in Portland for transmission on the NOAA Weather Wire and Family of Services.

The State Road Report is issued twice daily (4 am and 2 pm) during the snow season with additional updates as conditions warrant.

The State Road Report provides a brief synopsis of conditions for select highways and passes.

Road conditions can also be obtained by phone:

OREGON

511 or (503) 588-2941 (in OR)
1-800-977-6368 (outside OR)

WASHINGTON

511 or (206) 368-4499 (in WA)
1-800-695-ROAD (outside WA)

IDAHO

511 or 1-(888) IDA-ROAD

NEVADA

1-877-687-6237

N. CALIFORNIA

1-800-427-ROAD (in CA)
(916) 445-ROAD (outside CA)

Routine Public Forecast Products

FPUS66 KPQR 231637
SFPOR

STATE FORECAST FOR OREGON
NATIONAL WEATHER SERVICE PORTLAND OREGON
500 AM PDT MON AUG 23 2005

ORZ001>013-021>028-232300-
STATE FORECAST FOR WESTERN OREGON
500 AM PDT MON AUG 23 2005

. TODAY...RAIN SPREADING INLAND NORTH AND TURNING TO SHOWERS. SHOWERS
LIKELY SOUTH. INLAND BY AFTERNOON. HIGHS IN THE 60S COAST AND NORTH
INTERIOR TO LOWER 70S SOUTH INTERIOR.
. TONIGHT...SHOWERS LIKELY. LOWS 55 TO 60.
. TUESDAY...CLOUDY. CHANCE OF RAIN SOUTH PART AND WILLAMETTE VALLEY...
RAIN LIKELY NORTH PART. HIGHS AT THE COAST IN THE 60S. HIGHS INLAND
IN THE 70S.
. WEDNESDAY...RAIN POSSIBLY HEAVY AT TIMES NORTH TURNING TO SHOWERS
WITH A CHANCE OF THUNDERSTORMS. SHOWERS AND A SLIGHT CHANCE OF
THUNDERSTORMS SOUTH. LOWS 55 TO 60. HIGHS AT THE COAST IN THE 60S.
HIGHS INLAND UPPER 60S AND LOWER 70S.
. THURSDAY...MOSTLY CLOUDY WITH A CHANCE OF SHOWERS. LOWS 50 TO 60.
HIGHS AT THE COAST IN THE 60S. HIGHS INLAND IN THE LOWER TO MID 70S.
. FRIDAY...MOSTLY CLOUDY COAST AND NORTH...MOSTLY SUNNY SOUTH
INTERIOR. A SLIGHT CHANCE OF RAIN FAR NORTH COAST. LOWS IN THE 50S.
HIGHS 65 TO 70 AT THE COAST...IN THE MID 70S TO LOWER 80S INLAND.

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ORZ029>031-041>050-061-064-232300-
STATE FORECAST FOR EASTERN OREGON
NATIONAL WEATHER SERVICE PENDLETON OREGON
500 AM PDT MON AUG 23 2005

. TODAY...MOSTLY CLOUDY. ISOLATED SHOWERS...EXCEPT SCATTERED SHOWERS
MOUNTAINS AND HIGH PLATEAUS. HIGHS IN THE MID 60S TO NEAR
70...EXCEPT IN THE UPPER 50S TO MID 60S MOUNTAINS AND HIGH
PLATEAUS.
. TONIGHT...MOSTLY CLOUDY. A SLIGHT CHANCE OF SHOWERS...EXCEPT A
CHANCE OF SHOWERS MOUNTAINS. LOWS IN THE UPPER 40S TO MID
50S...EXCEPT NEAR 40 TO THE MID 40S MOUNTAINS AND HIGH PLATEAUS.
. TUESDAY...MOSTLY CLOUDY. A SLIGHT CHANCE OF SHOWERS...EXCEPT DRY
SOUTH CENTRAL. HIGHS IN THE MID 60S TO LOWER 70S...EXCEPT NEAR 60 TO
THE MID 60S MOUNTAINS AND HIGH PLATEAUS.
. WEDNESDAY...MOSTLY CLOUDY. A CHANCE OF SHOWERS AND THUNDERSTORMS.
HIGHS IN THE MID 60S TO NEAR 70...EXCEPT IN THE UPPER 50S TO MID 60S
MOUNTAINS AND HIGH PLATEAUS. LOWS IN THE UPPER 40S TO MID
50S...EXCEPT IN THE 40S MOUNTAINS AND HIGH PLATEAUS.
. THURSDAY...PARTLY CLOUDY. A CHANCE OF SHOWERS AND THUNDERSTORMS.
HIGHS IN THE 70S...EXCEPT IN THE 60S MOUNTAINS AND HIGH PLATEAUS.
LOWS IN THE 50S...EXCEPT IN THE 40S MOUNTAINS AND HIGH PLATEAUS.
. FRIDAY...PARTLY CLOUDY. A SLIGHT CHANCE OF SHOWERS EAST MOUNTAINS
AND HIGH PLATEAUS. HIGHS IN THE MID TO UPPER 70S...EXCEPT IN THE MID
60S TO NEAR 70 MOUNTAINS AND HIGH PLATEAUS. LOWS NEAR 50 TO THE MID
50S...EXCEPT IN THE 40S MOUNTAINS AND HIGH PLATEAUS.

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State Forecast (SFP, FPUS66):

The State Forecast is issued twice daily, at 5 am and 4 pm local time, and consists of a brief statewide forecast for five days.

The state forecast is broken into the two predominate climatic regions of eastern and western Oregon

Routine Public Forecast Products

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ABUS21 KPDX 281220
RTPOR

OREGON STATE TEMPERATURE AND PRECIPITATION TABLE
NATIONAL WEATHER SERVICE PORTLAND OR
521 AM PDT WED JUL 28 2005

NORTHWEST OREGON AND EXTREME SW WASHINGTON
.B PDX 0728 DH07/TX/DH12/TAIRZP/PPD/SF/SD
:
:ID STATION ELEV TEMP TEMP PCPN SNFL DEPTH
:
AST : ASTORIA 11 : 76 / 57 / 0 / M / M
ONP : NEWPORT AIRPORT 130 : 59 / 54 / 0 / M / M
KLS : KELSO, WA 25 : 97 / 59 / 0 / M / M
SEB : SCAPPOOSE 35 : 100 / 58 / 0 / M / M
VUC : VANCOUVER.. WA 25 : 100 / 63 / 0 / M / M
PDX : PORTLAND..AIRPT 27 : 100 / 66 / 0 / M / M
TTD : TROUTDALE 35 : 102 / 60 / 0 / M / M
HIO : HILLSBORO 204 : 99 / 60 / 0 / M / M
UAO : AURORA 196 : 102 / 64 / 0 / M / M
MMV : MCMINNVILLE 160 : 101 / 60 / 0 / M / M
SLE : SALEM 210 : 101 / 60 / 0 / M / M
CVO : CORVALLIS 250 : M / 64 / 0 / M / M
EUG : EUGENE 369 : 101 / 57 / 0 / M / M
.END

SOUTHWESTERN AND SOUTH CENTRAL OREGON
.B PDX 0728 DH07/TX/DH12/TAIRZP/PPD/SF/SD
:
:ID STATION ELEV TEMP TEMP PCPN SNFL DEPTH
:
OTH : NORTH BEND 11 : 63 / 55 / 0 / M / M
BRK03 : BROOKINGS AG STN 80 : 65 / 54 / 0 / M / M
RBG : ROSEBURG 525 : 105 / 66 / 0 / M / M
SXT : SEXTON SUMMIT 3958 : 96 / 73 / 0 / M / M
MFR : MEDFORD 1330 : 108 / 68 / 0 / M / M
LMT : KLAMATH FALLS 4090 : 96 / 60 / 0 / M / M
LKV : LAKEVIEW 4730 : 97 / 61 / 0 / M / M
.END

NORTHEASTERN AND NORTH CENTRAL OREGON
.B PDX 0728 DH07/TX/DH12/TAIRZP/PPD/SF/SD
:
:ID STATION ELEV TEMP TEMP PCPN SNFL DEPTH
:
HRI : HERMISTON 640 : 106 / 56 / 0 / M / M
LGD : LA GRANDE 2700 : 102 / 52 / 0 / M / M
MEH : MEACHAM 3726 : 94 / 42 / 0 / M / M
PDT : PENDLETON..AIRPT 1495 : 104 / 66 / 0 / M / M
RDM : REDMOND 3077 : 103 / 59 / 0 / M / M
DLS : THE DALLES 250 : 107 / 71 / 0 / M / M
ELN : ELLENSBURG..WA 1480 : 101 / 59 / 0 / M / M
HMS : HANFORD..WA 733 : 108 / 67 / 0 / M / M
PSC : PASCO..WA 407 : 105 / 56 / 0 / M / M
YKM : YAKIMA..WA 1060 : 102 / 58 / 0 / M / M
ALW : WALLA WALLA..WA 1210 : 104 / 69 / 0 / M / M
.END

EXTREME EASTERN AND SOUTHEASTERN OREGON
.B PDX 0728 DH07/TX/DH12/TAIRZP/PPD/SF/SD
:
:ID STATION ELEV TEMP TEMP PCPN SNFL DEPTH
:
BKE : BAKER CITY 3370 : 98 / 50 / 0 / M / M
BNO : BURNS 4140 : 99 / 58 / 0 / M / M
ONC : ONTARIO 2190 : 103 / 65 / 0 / M / M
REO : ROME 4050 : 103 / 63 / 0 / M / M
.END

FREEZING LEVELS ACROSS THE NORTHWESTERN CONTIGUOUS USA
.B PDX 0728 P DH05/HZ
:
:ID : LOCATION AND ELEV.: NOW : -12HR/ -24HR/ 12HRS/ 24HRS
SLE :SALEM (SFC = 0.2) : 15.0: 15.5/ 14.9/ -0.5/ 0.1
MFR :MEDFORD (SFC = 1.3) : 15.6: 16.0/ 15.1/ -0.4/ 0.5
BOI :BOISE (SFC = 2.9) : 15.6: 14.8/ 14.7/ 0.8/ 0.9
: BOTH ELEVATION AND FRZG DATA IN 1000S OF FEET (MSL)
.END

...STATE TEMPERATURE EXTREMES...

MAX TEMP...108 MEDFORD

MIN TEMP... 42 MEACHAM

...STATE PRECIPITATION EXTREMES...

NO PRECIPITATION REPORTED STATEWIDE

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State Temperature and Precipitation Table (RTP, ASUS66)

The State Temperature and Precipitation Table is issued twice daily at 4:30 am/pm PST (5:30 am/pm PDT). This product provides maximum and minimum temperatures and 24-hour precipitation totals for selected locations around the state. It also gives the freezing levels at Salem, Medford, and Boise.

The morning and afternoon versions of the State Temperature and Precipitation Table are similar, except the afternoon transmission provides the maximum and minimum temperatures for the current day, while the morning version provides the maximum temperature for the previous day and the minimum temperature for the current day.

Routine Public Forecast Products

Zone Forecasts (ZFP, FPUS56)

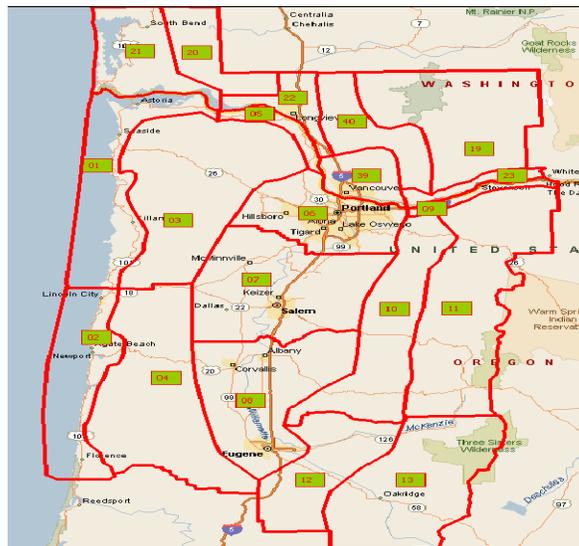
The most used product issued by the National Weather Service is the Zone Forecast. The zone forecast is issued four times per day (4:00 am, 9:30 am/pm and 3:00 pm local time). A zone forecast is designed so that any city or location within a particular zone can use the forecast as their own.

Portland's County Warning Forecast Area is divided into 20 forecast zones, based on similar climatic regimes. A list of Portland's zones and their appropriate zone identification number follows.

- ORZ001 North Oregon Coast
- ORZ002 Central Oregon Coast
- ORZ003 Coast Range of Northwest Oregon
- ORZ004 Central Coast Range of Western Oregon
- ORZ005 Lower Columbia
- ORZ006 Northern Willamette Valley including the Greater Portland Metro Area
- ORZ007 Central Willamette Valley including Salem and vicinity
- ORZ008 Southern Willamette Valley including Eugene and vicinity
- ORZ009 Western Columbia River Gorge (includes WAZ023)
- ORZ010 North Oregon Cascade Foothills
- ORZ011 North Oregon Cascades
- ORZ012 Cascade Foothills in Lane County
- ORZ013 Cascades of Lane County

Partial Listing of Washington Forecast Zones included in Portland's County Warning Forecast Area:

- WAZ019 South Washington Cascades
- WAZ020 Willapa Hills
- WAZ021 South Washington Coast
- WAZ022 Lower Columbia River and I-5 Corridor in Cowlitz County
- WAZ023 Western Columbia River Gorge
- WAZ039 Greater Vancouver Area
- WAZ040 South Washington Cascade Foothills



Routine Public Forecast Products

zone forecast continued...

Below is a generic zone forecast with a description of its various segments.

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ZONE WHERE FORECAST IS VALID
ISSUING NWS OFFICE
LOCAL DATE/TIME GROUP   ...EXPIRATION TIME GROUP...

    ...HEADLINE (IF ANY)...

.FIRST FORECAST PERIOD...SKY CONDITION AND WEATHER. TEMPERATURE. WIND
SPEED AND DIRECTION.
.SECOND FORECAST PERIOD...SKY CONDITION AND WEATHER. TEMPERATURE. WIND
SPEED AND DIRECTION.
.THIRD FORECAST PERIOD...SKY CONDITION AND WEATHER. TEMPERATURE. WIND
SPEED AND DIRECTION.
.<SUBSEQUENT FORECAST PERIODS...>

                                TEMPERATURE           /           PRECIPITATION
CITY                            XX XX XX XX XX       /           XX XX XX XX XX
    
```

- EXPIRATION TIME GROUP** This is the local time (UTC) at which this product is no longer valid. An updated forecast will be issued before this time.

- HEADLINE** This is used to draw attention to any warning, watch, or advisory in effect, or for any significant event such as 'record temperatures.'

- FORECAST** Zone Forecasts contain detailed forecasts for the next 7 days, broken into 12 hour time periods.

- PERIOD** "Today" (or "This Afternoon")..."Tonight"...and the following days (spelled out).

NOTE: "Today" is from 6 am until 6 pm. "Tonight" is 6 pm until 6 am. If the weather is expected to change during the latter half of the forecast period, then the additional qualifier of 'LATE' will be added.

- SKY CONDITION and WEATHER** The sky can be described by percentage of cloud cover. The following table lists the terms used to describe the sky conditions forecast, depending on the percentage of the sky covered by clouds.

Clear or Sunny	6 % or less
Mostly Clear or Mostly Sunny	7 to 31%
Partly Cloudy or Partly Sunny	32 to 69%
Mostly Cloudy	70 to 94%
Cloudy	95 to 100%

Routine Public Forecast Products

zone forecast continued...

TEMPERATURE

Numerical temperature values are represented in one of four ways.

1. 'NEAR,' or 'AROUND,' refers to a specific value rounded to the nearest five or ten degrees. Generally, this value is within 2 degrees of the stated value. Above 100 degrees F, the actual value will be used. For example:
NEAR 40, AROUND 15, or NEAR 106.
2. A general range where the terms are defined by the following:

LOWER 50s means 50 to 53
MID 50s means 54 to 57
UPPER 50s means 56 to 59
IN THE 50s means 50 to 59

3. A specific range rounded to the nearest five degrees. For example, 70 to 75 deg or 102 to 108.
4. Specific numbers for the site specific locations (coded cities forecasts or at bottom of local or zone forecast). For example:

EUGENE 67 53 75 54 73

WIND DIRECTION and SPEED

A forecast of wind direction and speed is included in the first five periods in both the local and zone forecasts.

1. Wind direction is the direction **FROM** which the wind is blowing and is based on an 8-point compass (NE, E, SE, NW, etc.). Light wind (5 mph or less) is handled in the following ways:

LIGHT SOUTH WIND (if direction is known),
LIGHT AND VARIABLE WIND, or
LIGHT WIND (where 'light' implies a variable wind direction).

2. Wind speed will be given in miles per hour (MPH). A list of terms used to describe the wind speed follows:

NOTE: A forecast can contain a peak wind speed in gusty situations:

'WEST WIND 20 TO 30 MPH WITH OCCASIONAL GUSTS TO 40 MPH'
'SOUTH WIND 40 TO 50 MPH WITH GUSTS TO 70 MPH POSSIBLE...MAINLY NEAR THE HEADLANDS.'

Wind Speed	Description
0-5 mph	light or light and variable
5-15 mph	none used
15-25 mph	breezy (used during mild weather) brisk (used during cold weather)
20-30 mph	windy
30-40 mph	very windy
40 mph or greater	strong, dangerous, damaging, high

Routine Public Forecast Products

zone forecast continued...

PROBABILITY OF PRECIPITATION

A POP is the likelihood of occurrence of a precipitation event (expressed as a percent) giving measurable precipitation at any given point in the forecast area. The National Weather Service uses numerical and non-numerical terms to indicate the chance of measurable precipitation for a specific area: (as shown below).

There are other qualifying terms which are used with non-numeric expressions. For example,

For Duration... can use "brief, occasional, intermittent, or frequent,
For Intensity... can use very light, light, heavy, or very heavy.

If the POP is low, for example 10%, and the forecast precipitation amount is expected to be less than 0.01 inch, the terms 'VERY LIGHT' or 'SPRINKLES' may be used.

POP	Expression of Uncertainty	Equivalent Areal Coverage
0 %	None Used	None Used
10 to 20%	Slight Chance	Isolated
30 to 50%	Chance	Scattered
60 to 70%	Likely	Widespread
80 to 100%	None Used (Categorical)	

The precipitation process begins with rising air that cools to its dew point temperature. The dew point temperature is the temperature at which a parcel of air becomes saturated and moisture condenses into a cloud. If there is sufficient moisture available, the process of condensation continues, creating an abundance of water molecules in suspension within the cloud. The water molecules combine with others, creating small water droplets, or if the temperature is below freezing, forming snow flakes. Gravity pulls the small drops toward the ground. Small drops collide with others, creating larger drops. When the rain droplets or snowflakes grow to the point where updrafts can no longer support their weight, they fall to the earth.

Cumuliform-type clouds produce showers, or convective precipitation. Showers are of brief duration, and are created by **localized** areas of rising moist air. Showers have relatively small areal coverage, but their precipitation rates are usually much greater than those of stratiform clouds. The most intense showers are thunderstorms, which produce thunder and lightning and can produce hail, gusty winds, and occasionally flash floods and tornadoes.

Stratiform clouds produce non convective precipitation. Non convective precipitation is formed by broad areas of rising moist air and lasts longer than showers. This type of precipitation will affect relatively large areas with the intensity changing slowly during the event.

Routine Public Forecast Products

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FPUS56 KPQR 082138
ZFPQR

ZONE FORECASTS NORTHWEST OREGON AND SOUTHWEST WASHINGTON
NATIONAL WEATHER SERVICE PORTLAND OREGON
237 PM PDT SUN AUG 08 2005

SPOT TEMPERATURES AND PROBABILITIES OF MEASURABLE PRECIPITATION
ARE FOR TONIGHT...MONDAY...MONDAY NIGHT...TUESDAY...TUESDAY
NIGHT...AND WEDNESDAY.

ORZ001-WAZ021-090440-
NORTH OREGON COAST-SOUTH WASHINGTON COAST-
INCLUDING THE CITIES OF...ASTORIA...CANNON BEACH...TILLAMOOK...
PACIFIC CITY...NORTH COVE...RAYMOND...LONG BEACH...NASELLE
237 PM PDT SUN AUG 08 2005

.TONIGHT...CLEAR. LOWS AROUND 55. NORTHEAST WIND 10 TO 15 MPH.
.MONDAY...SUNNY. HIGHS 75 TO 85. NORTHEAST WIND 10 TO 15 MPH.
.MONDAY NIGHT...CLEAR IN THE EVENING...THEN AREAS OF CLOUDS
DEVELOPING LATE WITH PATCHY FOG AFTER MIDNIGHT. LOWS IN THE MID 50S.
WEST WIND 10 TO 15 MPH.
.TUESDAY...AREAS OF MORNING CLOUDS...THEN MOSTLY SUNNY. HIGHS IN THE
LOWER 70S. WEST WIND 10 TO 15 MPH.
.TUESDAY NIGHT...PARTLY CLOUDY. LOWS AROUND 55. NORTHWEST WIND 10 TO
15 MPH.
.WEDNESDAY...AREAS OF MORNING CLOUDS...THEN MOSTLY SUNNY. HIGHS 70
TO 75.
.WEDNESDAY NIGHT...PARTLY CLOUDY. LOWS AROUND 55.
.THURSDAY...PARTLY CLOUDY. HIGHS 70 TO 75.
.THURSDAY NIGHT...AREAS OF CLOUDS IN THE EVENING...THEN MOSTLY
CLOUDY. LOWS AROUND 55.
.FRIDAY...MORNING CLOUDS...BECOMING MOSTLY SUNNY IN THE AFTERNOON.
HIGHS 70 TO 75.
.FRIDAY NIGHT...PARTLY CLOUDY IN THE EVENING...BECOMING CLOUDY LATE.
LOWS AROUND 55.
.SATURDAY...MORNING CLOUDS...BECOMING MOSTLY SUNNY IN THE AFTERNOON.
HIGHS AROUND 70.
.SATURDAY NIGHT...PARTLY CLOUDY IN THE EVENING...BECOMING CLOUDY
LATE. LOWS AROUND 55.
.SUNDAY...LOW CLOUDS IN THE MORNING...THEN AREAS OF CLOUDS. HIGHS 65
TO 70.

&&
          TEMPERATURE      /      PRECIPITATION
ASTORIA    55  82  55  71  55  73  /  00  00  00  10  00  00
$$
=

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Example of the Oregon Zone Forecasts Product (ZFP, FPUS56)

The example to the left shows the first zone of the zone forecast product. For brevity, it is the only zone included in this example.